Social Meaning and Variation in Perception: Beijingers' Attitudes Towards Beijing Mandarin

Hui Zhao

Introduction

The study of language variation and change aims to understand the social meaning of linguistic features both in production and in perception, but there is a lack of research on non-English and non-Western languages. This chapter examines the perception of variation in Beijing Mandarin, the (non-standard) vernacular variety in Beijing which shares many similarities with standard Chinese and explores the social meaning of this variety and its features in contemporary Chinese society. It also sheds light on how language variation of different linguistic features (phonetic, lexical and grammatical) is perceived in Beijing Mandarin and in general.

Social meaning and variation

Variationist sociolinguistics aims to understand how social meanings are constructed and contextualized. Often termed 'first-wave' (Eckert, 2012), earlier variationist research focused on meanings related to broad socioeconomic categories such as social class and sex (Labov, 1966; Trudgill, 1974; Wolfram, 1969). Sociolinguists during the 'second-wave' era, in comparison, combined meaning-making with community-specific practices in speech communities (Eckert, 1988; Milroy & Milroy, 1978). More recently, 'third-wave' variationist scholars investigate meanings indexed by variation, conceptualized in the theory of indexicality developed by Silverstein (1976). Indexicality is the 'creation of semiotic links between linguistic forms and social meanings' (Bucholtz & Hall, 2005) and links variation (in linguistic features, accents and/or language varieties) with contextual meanings in language use. These social meanings,

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according to Eckert (2008), seldom have simple one-to-one correlations with social categories or practices; rather, linguistic features often index a constellation of social meanings termed an 'indexical field'. For example, studies on the release of /t/ in American English have shown how indexicality helps to understand its various social meanings (that forms an indexical field) and how specific indexical meanings are conveyed in different communities (e.g. Benor, 2001; Bucholtz, 2001; Podesva et al., 2002).

Moreover, the same linguistic features can have different meanings across different communities and contexts, due to the indeterminate nature of the relationship between meanings and linguistic features (Podesva & Chun, 2007), and speakers can navigate this indexical field in language production and perception depending on the context where the interaction occurs (see Campbell-Kibler, 2006; Eckert, 2012; Heinrich, this volume; Johnstone & Kiesling, 2008; Moore & Podesva, 2009; Villarreal, 2018; Walker et al., 2014a).

Perceiving social meanings

Existing literature on language perception and variation has linked variation in perception with various meanings related to, for example, geographic areas, accents, personal traits and gender and sexuality. In folk linguistics, the perception of regional accents helps linguists understand how listeners perceive differences in sounds as markers for geographical regions (Babcock, 2014; Benson, 2003). Using the matched-guise technique, Lambert and colleagues studied bilingual Canadians' attitudes towards English and French in terms of personal traits including education and attractiveness (Lambert et al., 1966). The meaning of -in/-ing variation in English has been studied extensively, showing that talkers are associated with different personal attributes (e.g. intelligence) depending on whether they use the -in or -ing variant (Campbell-Kibler, 2006, 2011; Tamminga, 2017). More recently, perceptions of gender and sexuality in language use have also been researched using digitally manipulated guises (Campbell-Kibler, 2011; Levon, 2006; Levon & Fox, 2014; Pharao et al., 2014).

More research on the perception of language variation, especially in non-English and non-Western languages, is needed to fully understand how listeners engage in the process of meaning-making. Within the Chinese context, there are very few studies that make the association between variation, social meaning and perception, and existing perceptual works mainly investigate the use of standard language and dialects/ minority languages in China, Taiwan (Feifel, 1994; Lin, 1987) and Singapore (Chong & Tan, 2013). Using the matched-guise technique, these studies have found that the standard variety enjoys high status in contrast with other Chinese dialects, including Shandong Mandarin dialect in Shandong province (Zhang, 1990), Guangdong province (Zhang et al., 2003) and Cantonese in Hong Kong (Lai, 2007). Different varieties are associated with different meanings on the solidarity dimension among Chinese speakers (Feifel, 1994; Lin et al., 2010; Zhang, 1990; Zhang et al., 2003). Some scholars link local varieties with positive affective qualities (Lin et al., 2010; Zhang et al., 2003), while others fail to find such clear correlations (Chong & Tan, 2013; Zhang, 1990).

As can be seen, there is a lack of research on linguistic variation and social meaning in perception in China. By examining the perception of language variation in Beijing Mandarin and the social meaning of this local Mandarin dialect, this chapter seeks to help fill the gap in Chinese sociolinguistics, addressing the lack of research on linguistic variation and social meaning in perception in contemporary Chinese society.

Background

The focus of this chapter, Beijing Mandarin, also called Beijinghua (literally meaning 'Beijing speech'), is a Mandarin Chinese variety and is the local vernacular used in China's capital city of Beijing. Mandarin Chinese, also known as Beifanghua (literally translated as 'Northern speech'), is the mother tongue of more than 70% of the population in China (Li & Thompson, 1981; Norman, 1988). There is no official estimate of the speaker population for Beijing Mandarin, though the capital city's 14 million non-migrant residents¹ (out of 21.5 million residents) would mean it is reasonable to assume a sizeable speaker population (Beijing Municipal Bureau of Statistics (BMBS), 2020).

Existing research on the local dialect in Beijing is largely limited to (descriptive) dialectology where various aspects of the vernacular (e.g. phonology, syntax and lexicon) are documented (Hu, 1986a, 1986b, 1987; Lin, 2000; Xu, 1990; Zhou, 1998, 2002). Specific linguistic features considered stereotypical of the dialect have also received scholarly attention, though again from a descriptive perspective. To date, the only variationist studies of Beijing Mandan have been conducted by Zhang (2001, 2005, 2007, 2008), who examined the use of local and supralocal features in the construction of professional identities among business managers. Jing and Zhu's (2016) study on language attitudes among Beijing residents also explored the sociolinguistics of Beijing Mandarin, using more direct methods including telephone interviews and questionnaires.

The study presented here is part of a project on the social meaning of Beijing Mandarin in both production and perception (Zhao, 2018a). The chapter examines three linguistic features: (a frequent use of) neutral tone, classifier omission and intensifier te. The use of these features is associated with non-standard varieties of Mandarin, as they are considered nonstandard and/or ungrammatical in the standard language in China, often called Putonghua (literally translated as 'common speech') but also

referred to as standard Chinese (see Feng, this volume; Luo, this volume, for details on Putonghua promotion in China; and see Wang, this volume, for another example of regional variation within Mandarin Chinese). I explain the details of these features in the following paragraphs.

Beijing Mandarin has four lexical tones in stressed syllables (represented by tone numbers): high-level (55), high rising (35), low fallingrising/dipping (214) and high pitch-falling (51) (Chao, 1968). When unstressed, a syllable loses its original tone and becomes 'neutralized'; its tone then varies depending on the tone of the surrounding words or morphemes and the syllable carries a 'neutral tone' instead (Chen & Xu, 2006; Norman, 1988). Neutral tone can only occur in non-initial syllable positions and is often found in function words such as sentence-final particles. For example, /fən/ can mean 'fragrance', 'tomb', 'powder', 'element' when carrying a tone and is also used in words such as /fu³⁵fən/ to mean 'fortune'. In comparison with Putonghua, Beijing Mandarin has a larger inventory of words with a tone that can be neutralized. Lu (1995) has suggested at least 20% of the words with a neutral tone in Beijing Mandarin are not neutralized in *Putonghua*, potentially resulting in Beijingers using more neutral tone than speakers of other varieties, including the standard variety.

To date, Jing (2002) and Zhou (2006) have investigated Beijing speakers' use of neutral tone: Jing used self-reported data from Beijing Mandarin speakers, while Zhou analyzed spontaneous speech from a corpus compiled in the 1980s. They found that neutral tone is preferred by male speakers and those with a lower education level/occupation status. Moreover, O. Zhang's (2005) research on Beijing Mandarin also investigated neutral tone variation. Using speech data from Beijing professionals in international and state-owned businesses, she found that managers in foreign-owned companies ('vuppies') refrain from using neutral tone, in order to maintain their cosmopolitan identity.

Classifiers in Mandarin Chinese are a group of obligatory parts of speech that 'occur with a number, and/or a demonstrative or certain quantifiers' when preceding nouns in noun phrases, e.g. vi (one) + ge (classifier) + ren (person) (Li & Thompson, 1981). In Beijing Mandarin, classifiers can be omitted in this structure, e.g. 'yi (one) + ren (person)' (Tao, 2006). Classifier omission is unique to Beijing Mandarin and has barely been investigated before, although it is sometimes mentioned as a Beijing feature (Dong, 2004; Du, 1993; Huang, 2003; Liu, 2004) and its syntax was studied by Tao (2006) and Wu (2005).

The intensifier te (meaning 'very') is a lexical feature in Beijing Mandarin believed to be shortened from another intensifier, tebie. It has only started to gain popularity since the 1970s (Xu, 1990). Dialectology studies describe te as a northern feature used primarily in Beijing (Hao, 2012; Qi, 2012). Existing research is largely descriptive and focuses on written texts and dictionaries (Fu, 2014; Hao, 2012; Liu & Cao, 2011).

Methods

This study sought to elicit speakers' responses to the three linguistic features in perception, using the matched-guise technique. Specifics of the methods are provided below.

Experiment design

Two base sentences containing all three variables were designed to create the stimuli played to the listeners (Examples 1 and 2 below). The base sentences' topics were neutral: One referred to a city and the other to attending a conference, to avoid including positive or negative associations for the listeners, for example, relating to social status and birthplace as well as the formality of the utterances.

1	gongsi	suozaide	chengshi	shengchan	xigua	(gua1/gua0),	suoyi
	company	locate	town	rich-produce	waterr	nelon	therefore
	suiran	zhishi	yi ge (yi) xiao	chengshi,	que	hen (te)	youming
	though	only	one-CL small	town	but	very	famous
'The city where the company is located produces watermelons; therefore, i					nerefore, it is o	quite famous	
	despite being a small town'.						

ta qu canjia vi ge (vi) huivi, bei anpai zai he go participate one-CL conference PREP arrange at zaochen (chen2/chen0) divige fayan, suoyi hen (te) jinzhang. speech therefore first verv nervous 'He is going to a conference and has been asked to be the first speaker in the morning, so he is very nervous'.

One male talker (aged 24) and one female talker (aged 20) were recruited to record these sentences (Sentence 1 and 2), which were later digitally altered to create the stimuli. Both speakers were native Beijing Mandarin speakers who had grown up in Beijing and were undergraduate students in TV broadcasting at a Beijing university, ensuring that they had received training on broadcasting in Putonghua. Four recordings (A, B, C and D) from each speaker (eight in total) were obtained, in which A and B contained the standard variants of all three variables and C and D contained all the local variants. Recordings A and C were based on the first sentence, and B and D on the second. For each talker, I then extracted all three variables from Recording A, B, C and D (12 extractions across two sentences) and replaced the respective variables in Recording A and B, i.e. the standard versions, to create the experiment stimuli. To illustrate, I provide all eight possible combinations in each sentence for each talker in Table 6.1.

With two sentences, two speakers, and three binary variables, a full set of all the possible combinations yielded 32 stimuli. To minimize any influence of speech rate as noted by Street and Brady (1982) and Street

Guise	Classifier omission	Neutral tone	Intensifier te
1	_	-	_
2	+	_	_
3	_	+	_
4	_	_	+
5	+	+	_
6	_	+	+
7	+	_	+
8	+	+	+

Table 6.1 Combinations of three variables

et al. (1983), the lengths of stimuli based on Sentence 1 were controlled at 7.7 \pm 0.2s and those based on Sentence 2, 6.9 \pm 0.2s. The stimuli were tested on native Mandarin speakers to ensure their naturalness prior to the experiment.

Ouestions

Listeners were asked 11 questions in the experiment after each sentence. Firstly, listeners were asked how likely it was that the speaker was talking with superiors at a meeting or with family/friends at dinner (Q1). They rated the talker on a 5-point scale with meeting and dinner as the two poles.

The traditional semantic differentiations where listeners rate the talkers on a scale between two extremes (e.g. good vs. bad) are often used in perception studies (Preston, 2011). I included them in the next set of questions to study potential social attributes assigned to Beijing Mandarin speakers (Q2.1–Q2.8). Four of the questions were designed to assess the perceived 'status' of the Beijing Mandarin features (education, intelligence, elegance and leadership), and the other four were to assess perceptions on the 'solidarity' dimension (warmth, loyalty, temper and sincerity). All ratings were presented on a 5-point Likert scale.

In Q3, participants were asked to rate if the speaker sounded like a Beijinger, also on a scale from 1 to 5. The last question (Q4), adopted from Labov (1972), asked listeners to choose a suitable occupation for the speaker from a list of pre-determined jobs including manager, office assistant, waiter/waitress and taxi driver. These jobs, which differ in prestige and social status, were used to see how people perceived Beijing Mandarin in terms of social status other than personal traits. A list of all 11 questions is provided in the appendix to this chapter.

Set	Speaker	Sentence	Number of guises
Set A	Male	1	2 ³ = 8
Set B	Male	2	23 = 8
Set C	Female	1	23 = 8
Set D	Female	2	23 = 8

Table 6.2 Sets of guises used in randomization

Procedure

The experiment was conducted online using the Experigen platform (Becker & Levine, 2014). In this project, I employed a 2 (NT/no-NT)*2 (CL/no-CL)*2 (INT/no-INT)*2 (Sex)*2 (Sentence) between-subject factorial design, in order to be able to investigate the response towards each of the three binary variables and the interactions between them (Abbuhl et al., 2014). However, with a total number of 32 guises, it was unrealistic for every participant to listen to all guises without either noticing there were only two speakers or what the target variables were. For this reason, the guises were fully randomized to allow each participant to listen to only four guises (one guise from each speaker with each sentence) so that the experiment would take about 15 minutes and the listeners never had to hear the same speaker and sentence combination twice.

During the experiment, a preview of the experiment page layout was first shown to the participants to familiarize them with the structure. Then, the experiment scripts randomly selected one out of the eight guises within each of the four sets (Table 6.2) and randomized the sequence of the four selected guises.

Participants therefore listened to four recordings and answered the same experiment questions immediately after each recording. A survey on general language use was presented after the last set of questions and allowed participants to fill in their answers and leave comments and their contact information. All experiment materials were presented to participants in Chinese.

Results

Fifty native Beijingers participated in the experiment. Of these, 40 were undergraduate students, and the remaining 10 were postgraduate students. They were all native Beijing Mandarin speakers and students in universities in Beijing in 2014. Overall, 28 female and 22 male listeners aged from 18 to 27 (mean age = 21.9) were recruited. As each listened to and rated four stimuli (two each from the male and female talkers), 200 evaluations were collected.

	Component 1 Solidarity	Component 2 Status	
Warmth	0.92	-0.29	
Loyalty	0.71	0.00	
Temper	0.43	0.14	
Sincerity	0.73	0.16	
Education	-0.21	0.94	
Intelligence	0.19	0.57	
Elegance	0.01	0.80	
SS loadings	2.08	1.89	
Cumulative variance	0.52	1.00	

Table 6.3 Principal component analysis loadings (rotation: promax)

Note: Loadings greater than 0.33 are in bold.

The internal consistency of the eight questions on the status and solidarity dimensions was first checked using a Cronbach's α test in R (R Core Team, 2020) to determine whether they adequately measured the two dimensions. An acceptable score of 0.7 was achieved by removing Question 2.8 ('like a subordinate vs. like a leader'), and therefore, in the following analysis, results on the leadership question will not be discussed. For the remaining seven questions, a principal component analysis was conducted to reduce the number of factors used in later regressions, and all components with eigenvalues greater than 1 were kept, as they are the main explanatory factors. Table 6.3 shows the two components: solidarity (warmth, loyalty, temper and sincerity) and status (education, intelligence and elegance). The scores on these two dimensions were then calculated and used in the following regression analyses.

In the following sections, I present results regarding five factors (formality, localness, status, solidarity and occupation suitability). For the first four factors, a series of mixed-effect linear regression models were fitted to the data with each factor's numeric ratings as the dependent variable, the presence/absence of three variables and all possible interactions as fixed predictors, and sentence and listener as the random intercepts. The lmer command in the lme4 package in R was used (Bates et al., 2015). Model selection was done using the step-down method and by comparing Akaike information criterion (AIC) and Bayesian information criterion (BIC) scores.

Casualness and localness

First, I present results on the ratings of formality/localness ('Is this utterance more suitable for a dinner conversation or an office meeting?')

Table 6.4 Results on formality and localness across variables

	Mean ratings		
	Formality	Localness	
None	4.04	2.48	
Neutral tone	3.94	2.71	
Intensifier te	3.50	2.85	
Classifier omission	3.63	2.52	
Neutral tone + Intensifier te	2.62***	3.58***	
Neutral tone + Classifier omission	2.32***	2.74	
Classifier omission + Intensifier te	2.81***	3.50***	
All	2.58***	3.35**	

Note: ratings range from 1 to 5, 5 = more formal/more local; **p<0.01; ***p<0.001.

and localness ('How likely is it that the speaker is a native Beijinger?'). The best-fit models for both questions contain only the three-way interaction between all Beijing features, suggesting the only significant factor is the different combinations of the features. I include the mean ratings for these two questions across all combinations of the three Beijing features in Table 6.4.

As shown in Table 6.4, a total absence or a very limited use of Beijing features (i.e. the use of one of the three features) is heard as more suitable for a formal setting (all mean values > 3), and the interaction is statistically significant (indicated by asterisks in the table).

Results on perceived localness show a reversed pattern: using all three features (mean = 3.35, p < 0.01) and using a combination of two Beijing features are both heard as more local in comparison with not using any Beijing features. Unlike ratings for formality, where the use of any of the three features prompts the same significant decrease in perceived casualness, there is a preferred combination of features in perceived localness. Specifically, the combination of neutral tone and classifier omission is not perceived as significantly local-like (mean = 2.74, n.s.), whereas the combination of intensifier *te* and either neutral tone (mean = 3.58) or classifier omission (mean = 3.50) is heard as more local (p < 0.001).

Status

Mixed-effect linear regressions suggest a final model with classifier omission, intensifier te and a two-way interaction between neutral tone and intensifier te. As Table 6.5 shows, using either classifier omission or intensifier te lowers the perceived status score, but the trend is only significant for classifier omission (p = 0.003). The interaction between neutral tone and intensifier te was included in the model but was not significant.

	Estimate	Std. error	df	t value	p value
(Intercept)	0.232	0.151	149.267	1.534	0.127
Classifier omission (present)	-0.370	0.123	175.661	-3.013	0.003**
Intensifier te (present)	-0.034	0.165	165.958	-0.204	0.838
Neutral tone (present): Intensifier te (absent)	0.197	0.169	172.446	1.170	0.243
Neutral tone (present): Intensifier te (present)	-0.231	0.172	173.041	-1.344	0.181

Table 6.5 Output of mixed-effect regression on status

N = 200; random intercept: listener (50); sentence (2); **p < 0.01.

Table 6.6 Output of mixed-effect regression on solidarity

	Estimate	Std. error	df	t value	p value
(Intercept)	-0.186	0.143	150.814	-1.304	0.194
Neutral tone (present)	0.304	0.188	184.742	1.612	0.109
Intensifier te (present)	0.276	0.187	176.114	1.476	0.142
Neutral tone (present): Intensifier te (present)	-0.388	0.265	177.219	-1.466	0.144

N = 200; random intercept: listener (50); sentence (2).

Solidarity

The results for ratings on the solidarity dimension show a similar lack of significance (Table 6.6). Neutral tone and intensifier te, together with their interaction, were selected for the final model. Although the use of either or both features tends to increase solidarity ratings, none of these tendencies was significant. Classifier omission was not included in the final model.

Occupation suitability

Since occupation suitability ratings are neither numeric nor strictly ordinal, I treat them as categorical in this analysis. In Figure 6.1, I present the percentage of different occupations chosen for each Beijing Mandarin feature combination by the listeners. Listeners chose 'assistant' as a suitable occupation for most of the stimuli, and there seems to be a trend for speakers to be assigned lower occupations (e.g. taxi driver) when using more Beijing features.

Discussion

In this section, I discuss the results from the experiment, focusing on the social meaning of neutral tone variation. Following the order of the

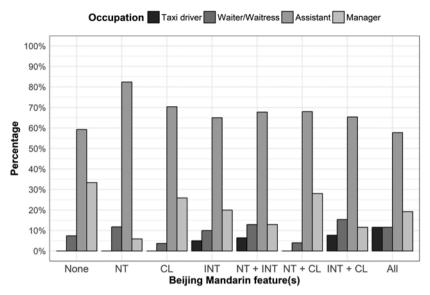


Figure 6.1 Occupation suitability ratings across Beijing features NT: neutral tone: CL: classifier omission: INT: intensifier te.

Results section above, meanings related to casualness and localness will be discussed first and then those regarding status, solidarity and occupation suitability.

Casualness and localness

Results from the statistical analyses have shown that the three Beijing features share some social meanings in perception. They are all associated with both casualness and localness, although the relationship is not merely a simple and direct correlation. As we find no main effect for any of the three features and instead observe a complex and significant threeway interaction, the meanings of casualness and localness are only present in perception when multiple features are involved.

To illustrate, the use of two or more Beijing features, regardless of which of the three, is heard as more suitable for a more casual setting, in this case, a dinner conversation among familiar interlocutors. Using only one of the three features is not perceived as more casual than an absence of Beijing features.

Regarding localness, the results reveal that more than one Beijing feature must be used for listeners to hear this as more local. The use of any individual feature is not associated with localness. It is worth noting that for localness, different combinations of features differ in the meanings they evoke in perception: Using neutral tone and classifier omission together does not seem to be heard as more local, whereas combinations involving intensifier te are perceived as local. As the use of te is often documented as a regional feature, whereas neither neutral tone (which is used in many varieties) or classifier omission (ungrammatical in other varieties) is purely regional, it is unsurprising to see te and combinations involving it being perceived as local. Another possible contributor to this correlation is the lexical nature of intensifier te: in comparison to the other two variables (phonetic and grammatical), it is potentially easier for participants to recognize lexical item such as intensifiers in perception.

The findings first suggest that Beijing features share common meanings such as casualness and localness, which are often related to vernacular varieties (Labov, 1963, 2002). As part of the local vernacular in Beijing, it is unsurprising that these linguistic features are heard as less suitable for formal settings and as more local, but this study is the first perception study to support the existence of these social meanings previously suggested by research on Beijing Mandarin in general and on specific features including the three examined here (Dong, 2004; Du, 1993; Hao, 2012; Qi, 2012; Zhang, 2005).

Furthermore, the study reveals that these meanings are perceived by the listeners when the three features combine with each other, rather than when they are used in isolation. While previous perceptual studies on linguistic variation suggest that meanings can be and are usually carried by individual features alone (cf. Campbell-Kibler, 2009; Drager, 2010; Levon & Fox, 2014), in fact, these two types of findings are not contradictory. The methodologies of previous studies investigating how meanings are perceived in the variation of individual linguistic features (e.g. Campbell-Kibler, 2006; Walker et al., 2014b) were not designed to find interactions between features in perception. However, as shown in Levon's (2006) study on different prosodic features in English, linguistic features often interact in the process of meaning-making. The current study further confirms that finding. This is not to say that the three features do not convey these meanings individually, as existing research has suggested that neutral tone is perceived as less standard and prestigious in perception and is used to convey casualness and localness in production (Zhao, 2018a, 2018b). Rather, the findings here complement previous findings on the meanings of neutral tone. Regarding the meanings of the other two features, as well as of many other Beijing Mandarin features, more research is needed.

Status, solidarity and occupation suitability

Although the three Beijing features share meanings including casualness and, to a lesser extent, localness, their associations with meanings related to status and solidarity vary. The only significant relationship is between classifier omission and the perceived talker status: omitting

classifiers leads to the talker being perceived as lower on the status dimension. Since classifier omission is ungrammatical in standard Chinese (Huang et al., 2009), whereas the use of neutral tone and intensifier te is merely seen as dialectal, the negative correlation of classifier omission with status is unsurprising. Even though the use is acceptable in the Beijing variety (both according to grammars and speakers), lay listeners still assign a low status to the ungrammatical use of classifiers (according to prescriptive rules in the standard language) but rate the other two dialectal features as high-status, possibly because they do not violate any grammatical rules. As mentioned, a command of the standard use of the official language is often linked by speakers with a high education level and social status.

The study produced no significant results on questions regarding solidarity. This is inconsistent with previous studies, where a high level of solidarity is usually shared by dialect and non-standard language users (Callan & Gallois, 1982, 1987; Feifel, 1994); however, a similar lack of significant results has been seen in Chinese languages including Beijing Mandarin, Penglai Mandarin, Singaporean Mandarin and Taiwan Mandarin (Chong & Tan, 2013; Zhang, 1990). There are two possible explanations: First, since all stimuli contain very slight changes and are relatively similar, listeners could have perceived them as very similar and thus rated them similarly. This is less likely to be the case, as listeners were able to rate the casualness and localness of the same stimuli. The second explanation points to the effect of the vigorous Putonghua promotion in China, where Chinese speakers, regardless of their own language backgrounds, identify with the standard variety as much as with their local varieties, as suggested by Zhang (1990), but further studies are needed to verify this explanation.

Despite a trend where the presence of Beijing features reduces the probability of the talker being perceived as having a high-level job, the use of these features seems to make little significant difference in how talkers are perceived. Together with the non-significant results from the status (apart from classifier omission) and solidarity dimensions, this is further evidence that Beijing Mandarin is not perceived in the same way as typical low-prestige vernaculars (Campbell-Kibler, 2006; Chong & Tan, 2013; Feifel, 1994; Holmes, 2013; Lin, 1987; Zhang, 1990). Using Beijing features is not seen as overtly low-status, high-solidarity and only suitable for low-level occupations, although the variety is still perceived as casual and local. This might suggest that Beijing Mandarin, as a vernacular of the capital city, lacks the negative low-prestige meanings traditionally associated with non-standard vernaculars. Instead, it enjoys a certain prestige and may even be in competition with the standard variety. However, there is as yet no empirical evidence for this, so more relevant work is needed. This prestige, in turn, perhaps gives speakers the chance to use the local variety without being penalized in identity-building.

O. Zhang's work on Beijing business professionals (2005, 2008) shows, for example, that high-ranking state professionals employ Beijing vernacular features without being negatively perceived.

Conclusion

Based on the results of a matched-guise test on the perception of three Beijing Mandarin features – neutral tone, classifier omission and intensifier te – this study has examined the social meaning associated with these features. Firstly, as part of the local vernacular, the three Beijing Mandarin features convey meanings related to casualness and localness. This is consistent with existing research on vernacular varieties in and outside of China. Secondly, apart from the ungrammatical use of classifier omission, the use of Beijing features has little influence on ratings regarding status, solidarity or occupation suitability. This might be explained by the lack of prescriptive differences between the Beijing and the standard varieties (for status and occupation suitability), together with the effects of longterm standard language promotion (for solidarity). These two main findings demonstrate that although Beijing features are local and casual, they do not differ from the standard language in the other aspects. This lack of distinction in perception between the 'non-standard' and the 'standard' Chinese challenges the traditional theorization of standard languages that heavily relies on written forms and language production and calls for more attention to language perception in sociolinguistic research related to (non-)standardness. A lack of contrast in prestige between the dialect and standard language could also lead to language variation and change on a larger scale, but further studies are needed for a more conclusive answer. Apart from these key findings, it is also noteworthy that the Beijing features convey their meanings as a unit rather than independently in perception. While this could be due to the method used here, it is in line with other findings about interactions between features, and it enriches our understanding of how language variation is perceived.

The results here are only partly consistent with the existing literature, though the inconsistent results could be explained by the unique linguistic and social contexts in China. To further advance our understanding of the perceived relationships between standard and local varieties, and to explore to what extent Beijing Mandarin may be a special case, future research will need to investigate other variables in Beijing Mandarin, as well as in other regional varieties in China. It may be that Beijing Mandarin is not negatively perceived because of its prestige. It would be interesting to explore to what extent other prestigious varieties (e.g. Cantonese) are in competition with the standard language as well. Understanding such potential competition is important both for language variation studies and language policy and planning in China, as positive social meanings can drive language change.

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Note

(1) Non-migrant residents are defined as those who have permanent residency in Beijing and have lived there for more than six months (i.e. excluding internal and foreign migrants), although it is unlikely all of them speak Beijing Mandarin.

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Appendix

- Based on the speaker's style of speaking, NOT the content, he/she is: [on a scale from 1 to 5]
 - Talking to parents/friends at dinner table reporting to work supervisors at a meeting

- 2 The speaker sounds: [on a scale from 1 to 5]
 - 2.1 Elegant Vulgar
 - 2.2 Ill-tempered Nice
 - 2.3 Not educated Well-educated
 - 2.4 Sincere Hypocritical
 - 2.5 Very intelligent Not intelligent
 - 2.6 Not loyal Loyal
 - 2.7 Friendly Unfriendly
 - 2.8 Like a subordinate Like a leader
- 3 Does the speaker sound like a Beijinger? [on a scale from 1 to 5]
- 4 Which one of the following occupations is most possible for this speaker? (choose from below)

Manager at a famous international business; office assistant in a wellknown Chinese (national) company; local restaurant waiter/waitress; taxi driver in Beijing.